


Appl. No. 09/446,507
Amendment dated September 8, 2003
Reply to Office Action of May 7, 2003

AMENDMENTS TO THE SPECIFICATION:

Please replace the old Abstract with the following new Abstract:

 -A phase locked loop (PLL) circuit is provided to operate in a broad band, including two separate loops one of which is for feed-back of an output from an oscillator to the same oscillator through its associative proportional control unit and the other of which is for feed-back of an output of an oscillator to the same oscillator via an integral control unit. The proportional control unit is arranged to control an output frequency of the oscillator and is operable to generate a control signal based on a difference between input and output signals. The integral control unit is arranged to control the phase of an output signal of the oscillator to thereby generate a control signal based on a phase difference between input and output signals.--